

PCT

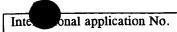
INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 696-262(BGR-		FOR FURTHER ACTION	see Notification of Transmittal of International Search Repo (Form PCT/ISA/220) as well as, where applicable, item 5 below.		as, where applicable, item 5
International application No. PCT/US03/21007		International filing date (day/month/year) 02 July 2003 (02.07.2003)		(Earliest) Prior 03 July 2002 (0	ity Date (day/month/year) 3.07.2002)
Applicant STONE & WEBSTER PROCESS TECHNOLOGY, INC.					
applicant according	to Article 18. A copy	prepared by this International S y is being transmitted to the Inte	earching A ernational B	uthority and is sureau.	transmitted to the
This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.					
1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.					
Autho b. With res	rity (Rule 23.1(b)). ard to any <mark>nucleotide</mark> a	arried out on the basis of a transf and/or amino acid sequence disc asis of the sequence listing:			
contai	ned in the international	application in written form.			
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intern	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
	ntement that the informaturnished.	ation recorded in computer reada	ble form is i	dentical to the v	vritten sequence listing has
2. Certa	in claims were found	ansearchable (See Box I).			
	of invention is lacking	g (See Box II).			
4. With regard to	o the title, xt is approved as submi	tted by the applicant			
=		by this Authority to read as follo	ws:		
	o the abstract,				
	ext is approved as subm				
may,	ext has been established within one month from ority.	, according to Rule 38.2(b), by the three date of mailing of this internal	his Authorit national sear	y as it appears i ch report, subm	n Box III. The applicant it comments to this
6. The figure of	the drawings to be pul	olished with the abstract is Figure	e No. <u>1</u>		
as su	ggested by the applican	t.			None of the figures
becar	ise the applicant failed	to suggest a figure.			•
becar	use this figure better ch	aracterizes the invention.			

Form PCT/ISA/210 (first sheet) (July 1998)





PCT/US03/21007

Box III	TEXT OF	THE ABSTRACT	(Continuation of Item 5 of the lifst sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)). **NEW ABSTRACT** Methods and apparatus are disclosed for mixing fluid streams of different compositions (19) (22) to minimize fluid condensation inside a mixing vessel (10) where the objective is to produce an all-vapor mixture product (34).



International application No.

PCT/US03/21007

	SIFICATION OF SUBJECT MATTER					
	IPC(7) : B01F 3/04; C10J 1/00					
US CL : 422/224, 227, 228; 261/16, 75, 115 According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED					
Minimum doc	cumentation searched (classification system followed	by classification symbols)				
	22/224, 227, 228; 261/16, 75, 115		1			
Documentation	on searched other than minimum documentation to the	extent that such documents are include	d in the fields searched			
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	and the state of t	on of data base and where practicable s	earch terms used)			
Electronic da	ta base consulted during the international search (namontinuation Sheet	le of data base and, where praedicable, s	cuton toning assay			
Flease See C	ontinuation Sheet					
	TO THE CONTOURNED TO BE DELEVANT					
	UMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where ap	propriete of the relevant passages	Relevant to claim No.			
Category *	US 4,344,479 A (BAILEY) 17 August 1982 (17.08.		1-20			
Y	US 4,344,479 A (BAILET) 17 August 1902 (17.00.	1962), figure 9.				
Α	US 5,739,071 A (CHEN et al) 15 April 1998 (15.04	.1998).				
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Α	US 5,695,724 A (CHEN et al) 09 December 1997 (.	09.12.1997).				
Α	US 5,686,369 A (CHEN et al) 11 November 1997 (11.11.1997).				
A						
A	US 5,461,179 A (CHEN et al) 24 October 1995 (24)	.10.1995)				
			<u> </u>			
Further	r documents are listed in the continuation of Box C.	See patent family annex.				
	special categories of cited documents:	"T" later document published after the inte	emational filing date or priority			
"A" documen	t defining the general state of the art which is not considered to be	date and not in conflict with the applic principle or theory underlying the inv	ention			
of partice	niar relevance	"X" document of particular relevance; the	A			
"E" carlier a	pplication or patent published on or after the international filing date	considered novel or cannot be considered	ered to involve an inventive step			
	at which may throw doubts on priority claim(s) or which is cited to	when the document is taken alone				
establish	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ste	claimed invention cannot be p when the document is			
specified		combined with one or more other suc being obvious to a person skilled in the	h documents, such combination			
"O" document referring to an oral disclosure, use, exhibition or other means						
"P" documer	nt published prior to the international filing date but later than the date claimed	"&" document member of the same patent	l family			
1	actual completion of the international search	Date of mailing of the international se	arch report			
		1	0 DEC 2003			
Name and n	2003 (28.10.2003) nailing address of the ISA/US	Authorized officer	V D L V CUUJ			
1	ail Stop PCT, Attn: ISA/US	Alexa A. Doroshenk	Out			
Commissioner for Patents						
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 703-308-0661						
Facsimile N	Io. (703)305-3230	1				

	INTERNATIONAL SEARCH REPORT	
EAST	ation of B. FIELDS SEARCHED Item 3: ms: vapor, baffle, fluid, injection	

PCT/US03/2

Form PCT/ISA/210 (second sheet) (July 1998)